ABSTRACT OF THE DISCLOSURE

An apparatus for detecting a moving object in motion video comprises a macro-block determining section for determining the background/non-background of each macro-block of a reconstructed video signal from a video decoder section which decodes encoded data obtained by compression-encoding a motion video signal, a moving object determining section for determining an area of the moving object from the result of the determination on the background/non-background, and a moving object combination display for displaying information indicating the area of the moving object on a display screen for the reconstructed video signal. The macro-block determining section determines if a macro-block represents a background area or a non-background area, based on mode information from the video decoder section and a cross correlation value between a present frame of the reconstructed video signal and a signal of a frame preceding the present frame by one frame, obtained by a first cross correlation calculator, and a cross correlation value between the present frame of the reconstructed video signal and a background video signal stored in a background memory, obtained by a second cross correlation calculator.